1FK7060-2AH74-1AG0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7060-2ah74-1ag0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Rated Power	1.7 kW
DC Link Voltage	600 V
Continuous Torque	6 Nm
Nominal Speed	4,500 rpm
Motor Type	Permanent-magnet synchronous motor
Cooling Type	Natural cooling
Mounting Type	Flange 1
Temperature Sensor	Pt1000
Encoder Type	Incremental encoder with sin/cos output (1 Vpp, 2048 S/R)
Shaft Height	63 mm
Net Weight	7.1 kg

Description

The Siemens 1FK7060-2AH74-1AG0 is a compact synchronous motor from the SIMOTICS S-1FK7 series, engineered for precise motion control in industrial automation applications. With a rated power of 1.7 kW and a DC link voltage of 600 V, it delivers a continuous torque of 6 Nm at a nominal speed of 4,500 rpm.

Designed for natural cooling, this motor features an IMB 5 construction (IM V1, IM V3) and flange 1 mounting, ensuring robust performance in demanding environments. It includes a Pt1000 temperature sensor for thermal monitoring and a rotatable incremental encoder with sin/cos output (1 Vpp, 2048

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S/R) for accurate position feedback.

The motor's shaft height is 63 mm, and it has a net weight of approximately 7.1 kg, making it suitable for applications requiring compact and efficient motion solutions.

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